Curriculum Vitae Shin-Shan Yu **Department of Physics**

University of Pennsylvania

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Education

1997-Current University of Pennsylvania, Philadelphia, PA 19104 Ph.D. Candidate in Physics, Thesis advisor Dr. Nigel Lockver

1993-1997 National Taiwan University, Taipei, Taiwan **Bachelor of Science in Physics**

Research Experience

1996-1997

National Taiwan University, Taipei, Taiwan

• Worked with the high energy group and built a multi-wire projection drift chamber

1997-Current

University of Pennsylvania, Philadelphia, PA 19104

- Developed an automatic test stand for the readout electronics ASDO of **Central Outer Tracker (COT) at CDF**
- Involved in the Central Outer Tracker (COT) detector commissioning
- Designed and layout the buffer board for the control voltages of the COT readout electronics
- Took CDF control room ACE shifts
- Implemented the simulation of ASDQ
- Developed an algorithm to calibrate dE/dx and the tools for particle identification
- Measurement of the ratios of the branching fractions of B and Lb's semileptonic to hadronic modes

Awards

- Scholarship of National Gifted Students in Physics (1993-1997)
- Skipped the last year of high school study and entered National Taiwan University by exemplary performance on the Joint College Entrance Exam

Employment

1996-1997 HEP Group Research Assistant **National Taiwan University, Taiwan** 1997-1998 Teaching Assistant in Physics University of Pennsylvania, PA 19104 1998-Current Research Assistant in Physics University of Pennsylvania, PA 19104

Conferences and Workshops

1999 March	APS Centennial Meeting, Atlanta, GA
1999 April	CDF COT Workshop, Philadelphia, PA
1999 May	CP Violation Workshop, Philadelphia, PA
2000 April	HEP Mini-Symposium, Philadelphia, PA
2001 February	B Physics and CP Violation Workshop IV, Ise-Shima. Japan
2001 April	HEP Mini-Symposium, Philadelphia, PA
2002 April	APS Meeting, Albuquerque, NM
2002 May	Flavor Physics and CP Violation Workshop, Philadelphia, PA
2002 June	Mini-Workshop of Fermilab Advanced Analysis Methods Group,
	Batavia, IL

Talks

1998 April	ASDQ Performance	CDF COT Workshop, Philadelphia, PA
2000 May	COT Electronics Summary	CDF Week, Batavia, IL
2002 April	Particle ID with dE/dx Measurement from CDF Central Outer Tracker	
_		APS Meeting, Albuquerque, NM

Publications

• CDF Central Outer Tracker, Nuclear Instruments & Methods